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PTO/SB/01 (10-00)  
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**DECLARATION FOR UTILITY OR  
DESIGN  
PATENT APPLICATION  
(37 CFR 1.63)**

☒ Declaration Submitted with Initial Filing      OR      ☒ Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)

Attorney Docket Number	56.0622
First Named Inventor	Xiaowei Weng
<b>COMPLETE IF KNOWN</b>	
Application Number	10 / 039,019
Filing Date	December 31, 2001
Group Art Unit	Unknown
Examiner Name	Unknown

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if multiple names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

METHOD AND APPARATUS FOR PLACEMENT OF MULTIPLE FRACTURES IN OPEN HOLE WELLS

(Title of the Invention)

the specification of which

☐ is attached hereto

OR

☒ was filed on (MM/DD/YYYY) 12/31/2001 as United States Application Number or PCT International (if applicable).

Application Number 10/039,019 and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)	<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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**DECLARATION — Utility or Design Patent Application**

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OR ☐

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Address

Address

City

State

ZIP

Country

Telephone

Fax

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR :

☐ A petition has been filed for this unsigned inventor

Given Name

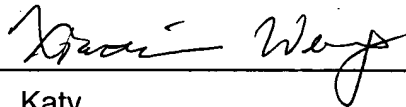
Xiaowei

Family Name

Weng

(first and middle [if any])

or Surname

Inventor's  
SignatureDec. 09, 2002  
Date

Residence: City

Katy

State

TX

Country

US

Citizenship

China

Mailing Address

Mailing Address

22318 David's Crest Court

City

Katy

State

Texas

ZIP

77450

Country

USA

NAME OF SECOND INVENTOR:

☐ A petition has been filed for this unsigned inventor

Given Name

J. Ernest

Family Name

Brown

(first and middle [if any])

or Surname

Inventor's  
Signature12-9-02  
Date

Residence: City

Katy

State

TX

Country

US

Citizenship

US

Mailing Address

Mailing Address

2015 Parco Verde Circle

City

Katy

State

TX

ZIP

77450

Country

US

☒ Additional inventors are being named on the \_\_\_\_\_ supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.



Please type a plus sign (+) inside this box →



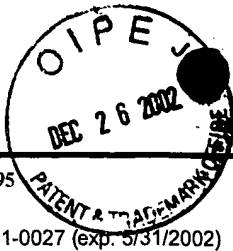
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<b>DECLARATION</b>	<b>ADDITIONAL INVENTOR(S)</b> <b>Supplemental Sheet</b> Page <u>1</u> of <u>1</u>
--------------------	---

<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Curtis L.		Boney	
Inventor's Signature <i>Curtis L. Boney</i>		Date 12-9-02	
Residence: City	Houston	State	TX
Country	US	Citizenship	US
Mailing Address			
14918 Chadbourne			
Mailing Address			
City	Houston	State	TX
ZIP	77079	Country	US
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Inventor's Signature		Date	
Residence: City		State	
Country		Citizenship	
Mailing Address			
Mailing Address			
City		State	
ZIP		Country	
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Inventor's Signature		Date	
Residence: City		State	
Country		Citizenship	
Mailing Address			
Mailing Address			
City		State	
ZIP		Country	

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Form PTO-1595  
(Rev. 03/01)  
OMB No. 0651-0027 (exp. 5/31/2002)

RECORDATION FORM COVER SHEET  
**PATENTS ONLY**

U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Xiaowei Weng  
J. Ernest Brown  
Curtis L. Boney

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: December 9, 2002

2. Name and address of receiving party(ies)

Name: Schlumberger Technology Corporation

Internal Address: \_\_\_\_\_

Street Address: 110 Schlumberger Drive

City: Sugar Land State: TX Zip: 77478

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s) 10/039,019

B. Patent No.(s) \_\_\_\_\_

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Stephen Schlather

Internal Address: IP Dept., Well Stimulation

Street Address: 110 Schlumberger Drive, MD1

City: Sugar Land State: TX Zip: 77478

6. Total number of applications and patents involved: ☐

7. Total fee (37 CFR 3.41).....\$ 40.00

☐ Enclosed

☒ Authorized to be charged to deposit account

8. Deposit account number:

04-1579 (56.0622)

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**DEC 30 2002**  
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9. Signature.

Stephen Schlather

Name of Person Signing

Signature

11 DEC 02  
Date

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Form PTO-1595  
(Rev. 03/01)

OMB No. 0651-0027 (exp. 5/31/2002)

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U.S. Patent and Trademark Office

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J. Ernest Brown  
Curtis L. Boney

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6. Total number of applications and patents involved: ☐

7. Total fee (37 CFR 3.41).....\$ 40.00

☐ Enclosed

☒ Authorized to be charged to deposit account

8. Deposit account number:

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9. Signature.

12/27/2002 CNGUYEN 00000095 041579 10039019

03 FC:8021

40.00 CH

Stephen Schlather

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and documents: 4

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Washington, D.C. 20231

COPY

ASSIGNMENT

WHEREAS, we,

1. **Xiaowei Weng**, a citizen of China, whose post office address is 22318 David's Crest Court, Katy, TX 77450;
2. **J. Ernest Brown**, a citizen of the USA, whose post office address is 2015 Parco Verde Circle, Katy, TX 77450;
3. **Curtis L. Boney**, a citizen of the USA, whose post office address is 14918 Chadbourne, Houston, TX 77079

hereinafter referred to as the "Inventors" have invented certain new and useful improvements in

**Method and Apparatus for Placement of Multiple Fractures in Open Hole Wells**

☒ for which an application for a United States patent was executed on December 31, 2001, assigned Serial No. 10/039,019 (Attorney Docket No. 56.0622).

WHEREAS, **Schlumberger Technology Corporation**, hereinafter referred to as the "said COMPANY", a corporation duly organized, incorporated and existing under the laws of the State of Texas and having a place of business at 110 Schlumberger Drive, Sugar Land, Texas 77478 is desirous of acquiring or confirming its acquisition of the entire right, title and interest in and to said invention, inventions or improvements, and in and to said application, and in and to any and all patents, both of the United States and of all foreign countries, that may be obtained therefore;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, BE IT KNOWN, that we the Inventors, for good and valuable considerations, the receipt and sufficiency of which we hereby acknowledge, have sold, assigned, transferred and conveyed, and by this assignment do sell, assign, transfer and convey, unto said COMPANY, its successors and assigns, the entire right, title and interest throughout the world, in and to the invention, inventions or improvements described or set forth in said application, in any form or embodiment thereof, and in and to said application, and in and to any applications filed in any foreign country based thereon, including the right to file foreign applications under the provisions of any convention or treaty; and in and to any confirmation, divisional, continuation, continuation-in-part, or substitute application which may be filed on said invention, inventions or improvements in the United States or in any foreign country; and in and to any and all patents, certificates, utility models, reissues, extensions, additions or confirmations thereof which may be granted in the United States or in any foreign country upon said invention, inventions or improvements;

TO HAVE AND TO HOLD the same to the full end of the term or terms for which any and all such United States and foreign patents and grants may be issued on said invention, inventions or improvements.

AND WE DO HEREBY AUTHORIZE and request the issuing authority to issue any and all of said United States and foreign patents on said application or applications to said COMPANY, its successors and assigns, as the assignee of the entire right, title and interest in and to the same, for the sole use and benefit of said COMPANY, its successors and assigns.

AND WE DO HEREBY COVENANT AND WARRANT that we have full right to convey the entire right, title and interest herein assigned free and clear of all licenses, encumbrances and liens whatsoever, and that we have not executed and will not execute any instruments in conflict herewith.

RECEIVED  
DEC 30 2002

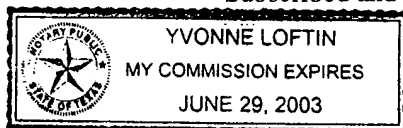
AND WE, FOR THE CONDITIONS AFORESAID, DO HEREBY COVENANT and agree to and with the said COMPANY, its successors and assigns, that we, my executors or administrators, will execute and deliver any and all other instruments in writing, and any and all further applications, papers, powers, affidavits, assignments, disclaimers and other documents, which in the opinion of counsel for said COMPANY, its successors and assigns, may be required or necessary in this or in any foreign country more effectually to secure to and vest in said COMPANY, its successors and assigns, the entire right, title and interest in and to said invention, inventions or improvements, application or applications, patents, rights, titles, benefits, privileges, and advantages hereby sold, assigned, confirmed, transferred and conveyed.

IN TESTIMONY WHEREOF, I have duly executed this Assignment on this 9<sup>th</sup> day of December, 2002.

Xiaowei Weng  
Xiaowei Weng

STATE of TEXAS       §  
                                  §  
COUNTY of FT. BEND   §

Subscribed and sworn to before me this 9 day of December, 2002.



Yvonne Loftin  
Notary Public in and for the State of Texas

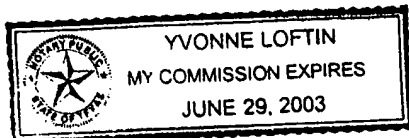
My Commission Expires: June 29, 2003

IN TESTIMONY WHEREOF, I have duly executed this Assignment on this 9<sup>th</sup> day of December, 2002.

J. Ernest Brown  
J. Ernest Brown

STATE of TEXAS       §  
                                  §  
COUNTY of FT. BEND   §

Subscribed and sworn to before me this 9<sup>th</sup> day of December, 2002.



Yvonne Loftin  
Notary Public in and for the State of Texas

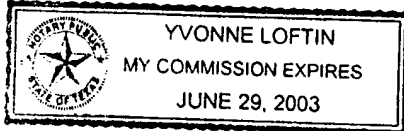
My Commission Expires: June 29, 2003

IN TESTIMONY WHEREOF, I have duly executed this Assignment on this 9<sup>th</sup> day of December, 2002.

Curtis L. Boney  
Curtis L. Boney

STATE of TEXAS           §  
                                     §  
COUNTY of FT. BEND   §

Subscribed and sworn to before me this 9<sup>th</sup> day of December, 2002.



Yvonne Loftin  
Notary Public in and for the State of Texas

My Commission Expires: Jun 29, 2003





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## POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

Application Number	10/039,019
Filing Date	December 31, 2001
First Named Inventor	Xiaowei Weng
Group Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	56.0622

I hereby appoint:

☒ Practitioners at Customer Number

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☐ Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

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☒ The above-mentioned Customer Number.

OR

☐ Firm or  
Individual Name

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Address

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State

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Country

Telephone

Fax

I am the:

☒ Applicant/Inventor.

☐ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

### SIGNATURE of Applicant or Assignee of Record

Name J. Ernest Brown

Signature

Date

12-9-02

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☒ \*Total of \_\_\_\_\_ forms are submitted.

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Application Number	10/039,019
Filing Date	December 31, 2001
First Named Inventor	Xiaowei Weng
Group Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	56.0622

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☐ Practitioner(s) named below:

Name	Registration Number

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Individual Name

Address

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Zip

Country

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I am the:

☒ Applicant/Inventor.

☐ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

### SIGNATURE of Applicant or Assignee of Record

Name

Curtis L. Boney

Signature

*Curtis L. Boney*

Date

Dec. 09, 2002

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

☒ \*Total of \_\_\_\_\_ forms are submitted.



Please type a plus sign (+) inside this box → ☐

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Application Number	10/039,019
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I hereby appoint:

☒ Practitioners at Customer Number   
OR

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Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

### SIGNATURE of Applicant or Assignee of Record

Name

Xiaowei Weng

Signature

*Xiaowei Weng*

Date

Dec. 09, 2002

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